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May 6, 2002

Atty. Docket No. 0249-0001

In re application of:

Appl. No.: 09/997,240

Filed: November 30, 2001

For: Isolated Homozygous Stem Cells, Differentiated
Cells Derived Therefrom, and Materials and Methods
For Making and Using Same

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an preliminary amendment in the above-identified application.

- ☒ Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established by a verified statement previously submitted or a claim previously made.
- ☐ Small entity status under 37 C.F.R. §§ 1.9 and 1.27 is claimed.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	Claims Remaining After Amendment		Highest No. Previously Paid For	Extra
Total	88	minus	72	16
Indep.	22	minus	12	10
<input type="checkbox"/> First Presentation of Multiple Dependent Claims				

SMALL ENTITY			LARGE ENTITY	
Rate	Fee	or	Rate	Fee
x 9 =	\$144.00	or	x 18 =	\$
x 42 =	\$420.00	or	x 84 =	\$
+ 140 =	0\$	or	+ 280 =	\$
Total	\$564.00	or	Total	\$

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.
- ☐ Please charge Deposit Account No. 50-0622 in the amount of \$
- ☐ A check in the amount of \$ is enclosed, to cover the extension of time fee.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0622.
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17.

Respectfully submitted,

SHANKS & HERBERT



32256

PATENT TRADEMARK OFFICE

Mark R. Shanks
Mark R. Shanks
Reg. No. 33,781

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Yan



Serial No.: 09/997,240 #11

Filed: November 30, 2001

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 0249-0001

For: Isolated Homozygous Stem Cells,
Differentiated Cells Derived Therefrom, And
Materials And Methods For Making And Using
Same

05/07/2002 HHARZI1 00000058 09997240

01 FC:202 420.00 OP
02 FC:203 144.00 OP

Adjustment date: 08/02/2002 YGIZAW

05/07/2002 HHARZI1 00000058 09997240

01 FC:202 -420.00 OP
02 FC:203 -144.00 OP

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application, Applicant(s) herewith respectfully requests the following amendment:

IN THE CLAIMS:

Please add the following new claims

73. (New) An isolated homozygous stem cell derived from a method comprising:
- (a) producing a mitotically activated homozygous post-meiosis I diploid germ cell by allowing the extrusion of the second polar body and spontaneous self-replication under appropriate conditions;
 - (b) culturing said activated homozygous post-meiosis I diploid germ cell to form a blastocyst-like mass; and,
 - (c) isolating homozygous stem cells from the inner cell mass of said blastocyst-like mass.

08/02/2002 YGIZAW 00000001 500622 09997240

01 FC:102 276.00 CH 564.00 OP
02 FC:103 324.00 CH